Table of contents

Volume 6 1987/88

Number 1 1987

I. G. Macintyre, R. R. Graus, P. N. Reinthal, M. M. Littler, D. S. Littler
The Barrier Reef sediment apron: Tobacco Reef, Belize 1

J. Reitner, T. S. Engeser
Skeletal structures and habitats of Recent and fossil *Acanthochaetetes* (subclass Tetractinomorpha, Demospongiae, Porifera) 13

R. L. Radtke
Age and growth information available from the otoliths of the Hawaiian snapper, *Pristipomoides filamentosus* 19

D. G. Green, R. H. Bradbury, R. E. Reichelt
Patterns of predictability in coral reef community structure 27

C. J. Crossland
In situ release of mucus and DOC-lipid from the corals *Acropora variabilis* and *Stylophora pistillata* in different light regimes 35

T. Strömgren
The effect of light on the growth rate of intertidal *Acropora pulchra* (Brook) from Phuket, Thailand, lat. 8 °N 43

A. J. Fowler
The development of sampling strategies for population studies of coral reef fishes. A case study 49

Number 2 1987

M. J. Atkinson
Alkaline phosphatase activity of coral reef benthos 59

J. A. Hansen, D. M. Alongi, D. J. W. Moriarty, P. C. Pollard
The dynamics of benthic microbial communities at Davies Reef, central Great Barrier Reef 63

J. R. Marsden
Coral preference behaviour by planktotrophic larvae of *Spirobranchus giganteus corniculatus* (Serpulidae: Polychaeta) 71

T. J. Done
Simulation of the effects of *Acanthaster planci* on the population structure of massive corals in the genus *Porites:* evidence of population resilience? 75

P. Dustan, J. C. Halas
Changes in the reef-coral community of Carysfort Reef, Key Largo, Florida: 1974 to 1982 91

H. M. Guzmán, V. L. Obando, J. Cortés
Meiofauna associated with a Pacific coral reef in Costa Rica 107

M. K. Gagan, M. W. Sandstrom, A. R. Chivas
Restricted terrestrial carbon input to the continental shelf during Cyclone Winifred: implications for terrestrial runoff to the Great Barrier Reef Province 113

Number 3/4 1988

H. H. Roberts, I. G. Macintyre
Preface 121

E. Flügel
Halimeda: paleontological record and palaeoenvironmental significance 123

G. R. Orme, M. S. Salama
Form and seismic stratigraphy of *Halimeda* banks in part of the northern Great Barrier Reef Province 131

J. F. Marshall, P. J. Davies
Halimeda bioherms of the northern Great Barrier Reef 139

C. V. G. Phipps, H. H. Roberts
Seismic characteristics and accretion history of *Halimeda* bioherms on Kalukalukuang Bank, eastern Java Sea (Indonesia) 149

H. H. Roberts, P. Aharon, C. V. Phipps
Morphology and sedimentology of *Halimeda* bioherms from the eastern Java Sea (Indonesia) 161

A. C. Hine, P. Hallock, M. W. Harris, H. T. Mullins, D. F. Belknap, W. C. Jaap
Halimeda bioherms along an open seaway: Miskito Channel, Nicaraguan Rise, SW Caribbean Sea 173

H. G. Multer
Growth rate, ultrastructure and sediment contribution of *Halimeda incrassata* and *Halimeda monile*, Nonsuch and Falmouth Bays, Antigua, W. I. 179

H. D. Johns, C. H. Moore
Reef to basin sediment transport using *Halimeda* as a sediment tracer, Grand Cayman Island, West Indies 187

E. A. Drew, K. M. Abel
Studies on *Halimeda*. I. The distribution and species composition of *Halimeda* meadows throughout the Great Barrier Reef Province 195

E. A. Drew, K. M. Abel
Studies on *Halimeda*. II. Reproduction, particularly the seasonality of gametangia formation, in a number of species from the Great Barrier Reef Province 207

M. M. Littler, D. S. Littler, B. E. Lapointe
A comparison of nutrient- and light-limited photosynthesis in psammophytic versus epilithic forms of *Halimeda (Caulerpales, Halimedaceae)* from the Bahamas 219

S. M. Blair, J. N. Norris
The deep-water species of *Halimeda* Lamouroux (Halimedaceae, Chlorophyta) from San Salvador Island, Bahamas: species composition, distribution and depth records 227

O. Naim
Distributional patterns of mobile fauna associated with *Halimeda* on the Tiahura coral-reef complex (Moorea, French Polynesia) 237

C. E. Payri
Halimeda contribution to organic and inorganic production in a Tahitian reef system 251

V. J. Paul, K. L. Van Alstyne
Chemical defense and chemical variation in some tropical Pacific species of *Halimeda* (Halimedaceae; Chlorophyta) 263

C. Mankiewicz
Occurrence and paleoecologic significance of *Halimeda* in late Miocene reefs, southeastern Spain 271

International Society for Reef Studies 280

Indexed in *Current Contents*

Table of contents

Volume 6 1987/88

Number 1 1987

I. G. Macintyre, R. R. Graus, P. N. Reinthal, M. M. Littler, D. S. Littler
The Barrier Reef sediment apron: Tobacco Reef, Belize 1

J. Reitner, T. S. Engeser
Skeletal structures and habitats of Recent and fossil *Acanthochaetetes* (subclass Tetractinomorpha, Demospongiae, Porifera) 13

R. L. Radtke
Age and growth information available from the otoliths of the Hawaiian snapper, *Pristipomoides filamentosus* 19

D. G. Green, R. H. Bradbury, R. E. Reichelt
Patterns of predictability in coral reef community structure 27

C. J. Crossland
In situ release of mucus and DOC-lipid from the corals *Acropora variabilis* and *Stylophora pistillata* in different light regimes 35

T. Strömgren
The effect of light on the growth rate of intertidal *Acropora pulchra* (Brook) from Phuket, Thailand, lat. 8 °N 43

A. J. Fowler
The development of sampling strategies for population studies of coral reef fishes. A case study 49

Number 2 1987

M. J. Atkinson
Alkaline phosphatase activity of coral reef benthos 59

J. A. Hansen, D. M. Alongi, D. J. W. Moriarty, P. C. Pollard
The dynamics of benthic microbial communities at Davies Reef, central Great Barrier Reef 63

J. R. Marsden
Coral preference behaviour by planktotrophic larvae of *Spirobranchus giganteus corniculatus* (Serpulidae: Polychaeta) 71

T. J. Done
Simulation of the effects of *Acanthaster planci* on the population structure of massive corals in the genus *Porites:* evidence of population resilience? 75

P. Dustan, J. C. Halas
Changes in the reef-coral community of Carysfort Reef, Key Largo, Florida: 1974 to 1982 91

H. M. Guzmán, V. L. Obando, J. Cortés
Meiofauna associated with a Pacific coral reef in Costa Rica 107

M. K. Gagan, M. W. Sandstrom, A. R. Chivas
Restricted terrestrial carbon input to the continental shelf during Cyclone Winifred: implications for terrestrial runoff to the Great Barrier Reef Province 113

Number 3/4 1988

H. H. Roberts, I. G. Macintyre
Preface 121

E. Flügel
Halimeda: paleontological record and palaeoenvironmental significance 123

G. R. Orme, M. S. Salama
Form and seismic stratigraphy of *Halimeda* banks in part of the northern Great Barrier Reef Province 131

J. F. Marshall, P. J. Davies
Halimeda bioherms of the northern Great Barrier Reef 139

C. V. G. Phipps, H. H. Roberts
Seismic characteristics and accretion history of *Halimeda* bioherms on Kalukalukuang Bank, eastern Java Sea (Indonesia) 149

H. H. Roberts, P. Aharon, C. V. Phipps
Morphology and sedimentology of *Halimeda* bioherms from the eastern Java Sea (Indonesia) 161

A. C. Hine, P. Hallock, M. W. Harris, H. T. Mullins, D. F. Belknap, W. C. Jaap
Halimeda bioherms along an open seaway: Miskito Channel, Nicaraguan Rise, SW Caribbean Sea 173

H. G. Multer
Growth rate, ultrastructure and sediment contribution of *Halimeda incrassata* and *Halimeda monile*, Nonsuch and Falmouth Bays, Antigua, W. I. 179

H. D. Johns, C. H. Moore
Reef to basin sediment transport using *Halimeda* as a sediment tracer, Grand Cayman Island, West Indies 187

E. A. Drew, K. M. Abel
Studies on *Halimeda*. I. The distribution and species composition of *Halimeda* meadows throughout the Great Barrier Reef Province 195

E. A. Drew, K. M. Abel
Studies on *Halimeda*. II. Reproduction, particularly the seasonality of gametangia formation, in a number of species from the Great Barrier Reef Province 207

M. M. Littler, D. S. Littler, B. E. Lapointe
A comparison of nutrient- and light-limited photosynthesis in psammophytic versus epilithic forms of *Halimeda (Caulerpales, Halimedaceae)* from the Bahamas 219

S. M. Blair, J. N. Norris
The deep-water species of *Halimeda* Lamouroux (Halimedaceae, Chlorophyta) from San Salvador Island, Bahamas: species composition, distribution and depth records 227

O. Naim
Distributional patterns of mobile fauna associated with *Halimeda* on the Tiahura coral-reef complex (Moorea, French Polynesia) 237

C. E. Payri
Halimeda contribution to organic and inorganic production in a Tahitian reef system 251

V. J. Paul, K. L. Van Alstyne
Chemical defense and chemical variation in some tropical Pacific species of *Halimeda* (Halimedaceae; Chlorophyta) 263

C. Mankiewicz
Occurrence and paleoecologic significance of *Halimeda* in late Miocene reefs, southeastern Spain 271

International Society for Reef Studies 280

Indexed in *Current Contents*